Response to Arguments

1. Applicant's arguments filed on 09/24/07 have been fully considered but they are not persuasive.

In the REMARKS filed on 09/24/07, applicant has argued “Claim 1 recites an adaptive equalizer for equalizing a signal. The adaptive equalizer includes a convergence algorithm circuit to use a convergence algorithm for adjusting coefficients associated with a feed-forward equalizer (FFE) based on an error measured in a partially equalized signal by a signal quality circuit. Values of the coefficient are not needed by the convergence algorithm to determine how much to adjust of the coefficients associated with the feed-forward equalizer (FFE).

A. Kaneda Fails to Disclose a Convergence Algorithm Circuit to Use a Convergence Algorithm for Adjusting Coefficients Associated with a Feed-Forward Equalizer (FFE) Based on an Error Measured in a Partially Equalized Signal in which Values of the Coefficient Are Not Needed by the Convergence Algorithm to Determine How Much to Adjust of the Coefficients Associated With the Feed-Forward Equalizer (FFE)

As described in the Applicant's specification, most common algorithms that are implemented within an equalizer, such as the least means squared (LMS) algorithm, requires knowledge of the tap values (coefficients) of an feed-forward equalizer in order to determine new tap values (specification page 5, lines 16-17).” However, this creates a new issue in that the amended claim recites “use a convergence algorithm for adjusting”. That it, the algorithm itself does not need to know the values of coefficient to adjust the coefficients. As indicated in previous office action, it is not clear how values of the coefficient are not needed to know while the coefficients themselves are use in the FFE, from which an error is computed. And if the coefficients are needed to obtain the error, then Kaneda meets all limitations, as claimed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 571-272-3040. The examiner can normally be reached on 4/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Payne can be reached on 571-272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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